IN THE CLAIMS:

1. A brush block ~~(6)~~ for transmitting currents to a slip ring ~~(7) by means of at least one said multiwire sliding element (MWSE) (3), characterized in that~~ , the brush block comprising:

a brush block body; and

a plurality of ~~said~~ multiwire sliding elements MWSEs ~~(3)~~ connected electrically in parallel [[are]] and arranged at said brush block body one after another and distributed in an arc in [[said]] a direction of sliding ~~(9)~~.

2. (Currently Amended) A brush ~~Brush~~ block in accordance with claim 1, ~~characterized in that~~ wherein said brush block body has a MWSE carrier ~~(4)~~ with a bent inner wall ~~(12)~~, at which [[a]] said plurality of ~~said~~ MWSEs ~~(3)~~ are arranged.

3. (Currently Amended) A brush ~~Brush~~ block in accordance with claim 1 ~~or 2~~, ~~characterized in that~~ wherein said MWSEs ~~(3)~~ form ~~said~~ MWSE layers ~~(A, B)~~, which are arranged in an overlapping, scale-like structure, and describe an enveloping curve ~~(10)~~ that is concentric with ~~said~~ an axis ~~(13)~~ of the slip ring with the ends of said MWSE ~~(3)~~.

4. (Currently Amended) A brush ~~Brush~~ block in accordance with claim ~~1, 2 or~~ 3, ~~characterized in that~~ wherein said MWSE layers ~~(A, B)~~ have different numbers of said MWSE ~~(3)~~.

5. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above claims~~ claim 3, ~~characterized in that~~ wherein said MWSE ~~(3)~~ of said adjacent layers ~~(A, B)~~ have a lateral offset and are arranged staggered.

6. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above claims~~ claim 2, ~~characterized in that~~ wherein said MWSE carrier ~~(4)~~ has at said inner wall ~~(12)~~ a plurality of ~~said~~ stepped incisions ~~(5)~~, which are arranged in an arc on the circumferential side and at which said MWSEs ~~(3)~~ are arranged.

7. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above claims~~ claim 6, ~~characterized in that~~ wherein said stepped incisions ~~(5)~~ have a step side ~~(5^{I})~~ that is essentially tangential to said slip ring ~~(7)~~ and a step side ~~(5^{II})~~ that is arranged at right angles thereto.

8. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above claims~~ claim 1, ~~characterized in that~~ wherein each of said MWSEs ~~(3)~~ comprise a conductive carrier leaf ~~(1)~~ with ~~said~~ multiwire slip rings ~~(2)~~ arranged thereon.

9. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above claims~~ claim 8, ~~characterized in that~~ wherein said wires of said multiwire slip ring ~~(2)~~ are bent at the free end.

10. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above claims~~ claim 8, ~~characterized in that~~ wherein said wires of said multiwire slip ring ~~(2)~~ are integrated in a one-layer or multilayer paintbrush structure.

11. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above claims~~ claim 1, ~~characterized in that~~ wherein a plurality of said brush blocks ~~(6)~~ can be arranged next to one another and distributed over the circumference of a slip ring ~~(7)~~.

12. - 13 (Canceled).

14. (New) A rotating current transmission unit comprising:

a slip ring; and

a brush block , said slip ring and said brush block being mounted rotatably in relation to one another, said brush block comprising a brush block body and a plurality of multiwire sliding elements connected electrically in parallel and arranged at said brush block body one after another and distributed in an arc in a direction of sliding

15. (New) A rotating current transmission unit in accordance with claim 14, wherein said current transmission unit has terminals for power current.